

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/806, 634 A  
Source: IFW16  
Date Processed by STIC: 08/03/2005

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 08/03/2005

PATENT APPLICATION: US/10/806,634A

TIME: 15:10:00

Input Set : A:\SEQLIST\_34909.TXT

Output Set: N:\CRF4\08032005\J806634A.raw

```

4 <110> APPLICANT: FRESNO ESCUDERO, Manuel
5   INIGUEZ PENA, Miguel Angel
7 <120> TITLE OF INVENTION: METHODS OF SCREENING FOR COX-2
8   INHIBITORS
10 <130> FILE REFERENCE: 34909-PCT-USA-I
12 <140> CURRENT APPLICATION NUMBER: US 10/806,634A
13 <141> CURRENT FILING DATE: 2004-03-23
15 <150> PRIOR APPLICATION NUMBER: 10/031047
16 <151> PRIOR FILING DATE: 2002-09-23
18 <150> PRIOR APPLICATION NUMBER: ES P9901557
19 <151> PRIOR FILING DATE: 1999-07-12
21 <160> NUMBER OF SEQ ID NOS: 6
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 33
27 <212> TYPE: DNA
28 <213> ORGANISM: Artificial Sequence
30 <220> FEATURE:
31 <223> OTHER INFORMATION: Oligonucleotide primer
33 <400> SEQUENCE: 1
34 gggggatccg gattctaaca tggcttctaa ccc                               33
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 30
38 <212> TYPE: DNA
39 <213> ORGANISM: Artificial Sequence
41 <220> FEATURE:
42 <223> OTHER INFORMATION: Oligonucleotide primer
44 <400> SEQUENCE: 2
45 gggagatctg gtaggctttg ctgtctgagg                                   30
47 <210> SEQ ID NO: 3
48 <211> LENGTH: 1979
49 <212> TYPE: DNA
50 <213> ORGANISM: Artificial Sequence
52 <220> FEATURE:
53 <223> OTHER INFORMATION: Human cyclooxygenase 2 promoter cloning fragment
W--> 55 <221> NAME/KEY: primer_bind
56 <222> LOCATION: (46)...(70)
57 <223> OTHER INFORMATION: Oligonucleotide No 1
W--> 59 <221> primer_bind
60 <222> LOCATION: (1925)...(1947)
61 <223> OTHER INFORMATION: Oligonucleotide No 1
W--> 63 <400> 3
64 gaattcagga ttgtaatgta aaatttttagt actctctcac agtatggatt ctaacatggc 60

```

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```

65 ttctaaccaca aactaacatt agtagctcta actataaaact tcaaattttca gtagatgcaa 120
66 cctactcctt taaaatgaaa cagaagattg aaattattaa attatcaaaa agaaaatgat 180
67 ccacgctctt agttgaaatt tcatgtaaga ttccatgcaa taaataggag tgccataaat 240
68 ggaatgatga aatatgacta gaggaggaga aaggcttcct agatgagatg gaattttagt 300
69 catccgtgtc tcatgaagaa tcagatgtgt acactaagca aaacagttaa aaaaaaaacc 360
70 tccaagtgtg tctcttattt atttttttct tataagactt ctacaaattg aggtacctgg 420
71 tgtagtttta tttcagggtt tatgctgtca ttttcctgta atgctaagga cttaggacat 480
72 aactgaattt tctattttcc acttcttttc tgggtgtgtg gtatatatat atgtatatat 540
73 acacacacac atatacatat atataatttt agtatctcac cctcacatgc tcctccctga 600
74 gcactaccca tgatagatgt taaacaaaag caaagatgaa attccaactg ttaaaatctc 660
75 ccttccatct aattaattcc tcatccaact atgttccaaa acgagaatag aaaattagcc 720
76 ccaataagcc caggcaactg aaaagtaaat gctatgttgt actttgatcc atggtcacaa 780
77 ctcataatct tggaaaagtg gacagaaaag acaaaagagt gaactttaaa actcgaattt 840
78 attttaccag tatctcctat gaagggtcag taaccaaatt aatccacgca tcaggggagag 900
79 aaatgcctta aggcatacgt tttggacatt tagcgctccct gcaaattctg gccatcgccg 960
80 ctctctttgt ccatcagaag gcaggaaact ttatatgggt gacccgtgga gctcacatta 1020
81 actattttaca gggtaactgc ttaggaccag tattatgagg aggatttacc tttccgcct 1080
82 ctctttccaa gaaacaagga gggggtgaag gtacggagaa cagtatttct tctgttgaaa 1140
83 gcaacttagc tacaaagata aattacagct atgtacactg aaggtagcta tttcattcca 1200
84 caaaataaga gtttttttaa agctatgta tgtatgtcct gcatatagag cagatatata 1260
85 gcctattaag cgctgcactt aaacataaaa acatgtcagc ctttcttaac cttactcgcc 1320
86 ccagtctgtc ccgacgtgac ttctctgacc ctctaaagac gtacagacca gacacggcgg 1380
87 cggcggcggg agaggggatt cctgcgccc ccggacctca gggcgctca gattcctgga 1440
88 gaggaagcca agtgtccttc tgccctcccc cggtatccca tccaaggcga tcagtccaga 1500
89 actggctctc ggaagcgctc gggcaaagac tgcaagaag aaaagacatc tggcggaaac 1560
90 ctgtgcgcct ggggcggtgg aactcgggga ggagaggag ggatcagaca ggagagtggg 1620
91 gactaccccc tctgtccca aattggggca gcttctggg tttccgattt tctcatttcc 1680
92 gtgggtaaaa aaccctgccc ccaccgggt tacgcaattt ttttaagggg agaggaggga 1740
93 aaaatttgtg gggggtacga aaaggcgga agaaacagtc atttcgtcac atgggcttg 1800
94 ttttcagtct tataaaaagg aaggttctct cggttagcga ccaattgtca tacgacttgc 1860
95 agtgagcgtc aggagcacgt ccaggaactc ctcagcagcg cctccttcag ctccacagcc 1920
96 agacgccctc agacagcaaa gcctaccccc cgcgcgcgc cctgcccgc gctgcgatg 1979
98 <210> SEQ ID NO: 4
99 <211> LENGTH: 70
100 <212> TYPE: DNA
101 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Cloning fragment where sequences of 5' and 3' ends
104 are shown in detail and the internal sequences are
105 represented by Ns.
W--> 108 <221> NAME/KEY: promoter
109 <222> LOCATION: (34)...(40)
110 <223> OTHER INFORMATION: Shorthand representation of sequence from
111 nucleotide 25 to nucleotide 882 of SEQ ID NO:6
W--> 113 <221> misc_feature
114 <222> LOCATION: 34, 35, 36, 37, 38, 39, 40
115 <223> OTHER INFORMATION: n = A,T,C or G
W--> 117 <400> 4
W--> 118 ggggggatccg gattctaaca tggcttctaa cccnnnnnnn cctcagacag caaagcctac 60

```

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```

119 cagatctccc                                     70
121 <210> SEQ ID NO: 5
122 <211> LENGTH: 70
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: reverse strand - Cloning fragment where sequences
128     of 5' and 3' ends are shown in detail and the
129     internal sequences are represented by Ns.
W--> 131 <221> NAME/KEY: promoter
132 <222> LOCATION: (34)...(40)
133 <223> OTHER INFORMATION: Shorthand representation of sequence from
134     nucleotide 25 to nucleotide 882 of SEQ ID NO:6
W--> 136 <221> misc_feature
137 <222> LOCATION: 31, 32, 33, 34, 35, 36, 37
138 <223> OTHER INFORMATION: n = A,T,C or G
W--> 140 <400> 5
W--> 141 gggagatctg gtaggctttg ctgtctgagg nnnnnnnnggg ttagaagcca tgtagaatc 60
142 cggatccccc                                     70
144 <210> SEQ ID NO: 6
145 <211> LENGTH: 1902
146 <212> TYPE: DNA
147 <213> ORGANISM: Homo sapiens
149 <400> SEQUENCE: 6
150 ggattctaac atggtcttcta acccaaaacta acattagtag ctctaactat aaacttcaaa 60
151 tttcagtaga tgcaacctac tccttttaaaa tgaaacagaa gattgaaatt attaaattat 120
152 caaaaagaaa atgatccacg ctcttaggtg aaatttcatg taagattcca tgcaataaat 180
153 aggagtgcc aataatggaat gatgaaatat gactagagga ggagaaaggc ttcttagatg 240
154 agatggaatt ttagtcatcc gtgtctcatg aagaatcaga tgtgtacact aagcaaaaca 300
155 gttaaaaaaa aaacctccaa gtgagtctct tatttatttt tttcttataa gacttctaca 360
156 aattgaggta cctgggtgtg ttttatttca ggttttatgc tgtcattttc ctgtaatgct 420
157 aaggacttag gacataactg aattttctat tttccacttc ttttctggtg tgtgtgtata 480
158 tatatatgta tatatacaca cacacatata catatatata tttttagtat ctcacctca 540
159 catgctctc cctgagcact acccatgata gatgttaaac aaaagcaaag atgaaattcc 600
160 aactgttaaa atctcccttc catctaatta attcctcatc caactatgtt ccaaaacgag 660
161 aatagaaaat tagccccaat aagcccaggc aactgaaaag taaatgctat gttgtacttt 720
162 gatccatggt cacaactcat aatcttggaa aagtggacag aaaagacaaa agagtgaact 780
163 ttaaaaactc aatttatttt accagtatct cctatgaagg gctagtaacc aaaataatcc 840
164 acgcatcagg gagagaaatg ccttaaggca tacgttttgg acatttagcg tccctgcaaa 900
165 ttctggccat cgccgcttcc tttgtccatc agaaggcagg aaactttata ttggtgaccc 960
166 gtggagctca cattaactat ttacagggtg actgcttagg accagtatta tgaggaggat 1020
167 ttacctttcc cgctctcttt tccaagaaac aaggaggggg tgaaggtagc gagaacagta 1080
168 tttcttctgt tgaaagcaac ttagctacaa agataaatta cagctatgta cactgaagg 1140
169 agctatttca ttccacaaaa taagagtttt ttaaaaagct atgtatgtat gtctgcata 1200
170 tagagcagat atacagccta ttaagcgctg tactaaaac ataaaacatg tcagcctttc 1260
171 ttaaccttac tcgccccagt ctgtcccgac gtgacttctc cgacctcta aagacgtaca 1320
172 gaccagacac ggcggcgggc gcggggagagg ggattccctg cgcccccgga cctcagggcc 1380
173 gctcagattc ctggagagga agccaagtgt ccttctgccc tccccgggta tcccatccaa 1440
174 ggcgatcagt ccagaactgg ctctcggaag cgctcgggca aagactgcga agaagaaaag 1500

```

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```
175 acatctggcg gaaacctgtg cgcctggggc ggtggaactc ggggaggaga gggagggatc 1560
176 agacaggaga gtggggacta cccctctgc tcccaaattg gggcagcttc ctgggtttcc 1620
177 gattttctca tttcctggg taaaaaaccc tgccccacc gggcttacgc aattttttta 1680
178 aggggagagg agggaaaaat ttgtggggg tacgaaaagg cggaaagaaa cagtcatttc 1740
179 gtcacatggg cttggttttc agtcttataa aaaggaaggt tctctcgggt agcgaccaat 1800
180 tgcatacga cttgcagtga gcgtcaggag cacgtccagg aactcctcag cagcgccctcc 1860
181 ttcagctcca cagccagacg ccctcagaca gcaaagccta cc 1902
```

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 08/03/2005  
PATENT APPLICATION: US/10/806,634A      TIME: 15:10:01

Input Set : A:\SEQLIST\_34909.TXT  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 34,35,36,37,38,39,40

Seq#:5; N Pos. 31,32,33,34,35,36,37

## VERIFICATION SUMMARY

DATE: 08/03/2005

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Input Set : A:\SEQLIST\_34909.TXT

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L:55 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:59 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3  
L:63 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3  
L:108 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:113 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4  
L:117 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:4  
L:118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:131 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:136 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5  
L:140 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5  
L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0